



Vihann Equipment & Machines Pvt. Ltd.



Established in the year 2021



Vihann Cleanrooms are an Industry leading provider of custom Cleanrooms; designing and

delivering complete controlled environments for the Life Science and Microelectronics industries throughout Asia.

Offering turnkey solutions for clients looking to create, improve, upgrade or relocate a critical environment. Providing expert advice based on a varied portfolio of Cleanroom projects, Vihann excel in working with your specification as well as your limitations, to produce Cleanrooms that exceed your expectations not your budget.

With In-house Designers, full-time specialist Installation Engineers and dedicated Project Managers, Vihann are the perfect partner to deliver your Cleanroom project on-time and on-budget.

With unrivalled industry knowledge, specially trained staff and a fully validated supply chain, Vihann are tried and trusted by the best in the business.

Vihann design and install bespoke controlled environments for Industries including: Pharmaceutical, Electronics, Semiconductor, Aerospace, Automotive, Healthcare, Medical Device, Optical, Food & Education

VIHANN Product (Clean Room Furniture)



VIHANN Product (Clean Room Design)

Vihann believe that excellent Cleanroom Design centres around the balance of the following 5 key factors:

- PROCESS REQUIREMENT
- SPACE OPTIMISATION
- BUDGET MAXIMISATION
- TIME LIMITATIONS
- CLIENT DESIRES



Vihann focus on providing exceptional value, accommodating the boundaries and restrictions of every project to provide clients with the best possible outcome; a controlled environment that meets all needs and exceeds expectations.

Vihann cleanroom engineers are professionally trained in controlled environment construction and have years of experience, not only installing critical environments but also servicing and operating within them. With an in-house structural, utilizing the Vihann Engineers offers far tighter control of the project combined with a quicker and more consistent, cost savings.





VIHANN Product (Lockers)





SS Staff

Lockers with Shoe Rack



MS Staff Lockers with Partition



- Grade 304 & 316 stainless steel
- Locker standing height 150mm off the ground
- Height adjustable feet with non-marking rubber base
- Individually lockable compartments
- Camlock and key locking mechanism (others available on request)
- Easy to clean slopping top
- Available with vents on each door if required



Manufactured from grade 304 stainless steel & MS, on adjustable levelling legs and with a sloping top to prevent particulate settlement, Vihann stainless lockers are designed to provide operators with safe storage of personal belongings and clothing prior to entrance into the controlled area. Lockers are available in different sizes and models.

SS StaffLockers







SS Personal Locker (15 Compartments)

SS Personal Locker with Drawer (18 Compartments)



SS Personal Locker (20 Compartments + 1 Tools Compartment) SS Personal Locker with Drawer (18 Compartments)

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SS Mobile Locker (96 Compartments)





SS Locker





SS Cabinet

VIHANN Product Cabinet







Manufactured from grade 304 stainless steel, on adjustable levelling legs to aid cleaning underneath and with a sloping top to prevent particulate settlement. Tall cupboards are available with internal shelves and can be lokable.

w	D	н
900	457	1880
1200	457	1880
900	610	1880
1200	610	1880

- Grade 304 stainless steel
- Adjustable leveling feet
- Hygienic sloping roof
- Internal Shelves available
- Available as mobile units on castors
- Available in grade 316 stainless
- Available with camlock and key



SHORT CUPBOARDS & DRAWERS



- Grade 304 seamless welds
- Integrated handles
- Access beneth for cleaning
- Available with camlock & key
- Rear upstands available
- Available on castors
- Available with sliding doors
- Available with 13-amp sockets
- Avaliable in grade 316
- Internal shelf options

Configuration	w	D	н
1 Door Cupboard	600	600	850
2 Door Cupboard	1200	600	850
3 Door Cupboard	1500	600	850
4 Door Cupboard	1800	600	850
Single Drawer Unit	600	600	850
1 Door + 1 Drawer Unit	1200	600	850
2 Door Cupboard + 1 Drawer Unit	1500	600	850
2 Door Cupboard + 2 Drawer Units	1800	600	850
2 Door + 1 Overhead Drawer	1200	600	850
2 Door + 2 Overhead Drawers	1200	600	850

Manufactured from grade 304 stainless steel, available as cupboards units, drawer units or a combination of both. Integrated cupboard and drawer handles with hygienic slope, units raised from the floor with adjustable levelling legs to facilitate cleaning underneath. Cupboards: Each with internal mid height shelf Drawer Units: Each comprise of 4 Drawers (as pictured)



Punches & Dies Cabinet





SS Die PunchCabinet

HPCL Column Cabinet

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SS Cupboard

& M



SS Cupboard



SS Hepa Cabinet

& M

SS Apron Cabinet



SS Die Punch Cabinet

VIHANN Product (Table)





SS Working Table



SS Conveyor Table

Workbenches manufactured from grade 304 Stainless Steel (also available in 316) with an electropolished surface finished, continuously welded seams and non shedding adjustable levelling feet. Stainless is a preferential material due to its clean ability, strength and durability properties, it is also a material that will not generate particulate and offers high levels of resistance to many acids and cleaning agents.

Standard configurations are presented on the following pages, however workbenches can be manufactured in custom sizes and configurations to suit any space and layout. Popular bespoke options include L-Shape configurations and units with integrated drawers, cabinets and shelves.

- 304 grade stainless steel frame (30x30mm box) and work surface with fully welded frame & joints
- Heavy duty frame is manufactured from 50x50mm box section and has the rail at the rear of the unit
- Available on casters as a mobile bench
- Available in 316 stainless steel





SS Canteen table





SS Table





SS Computer Table





SS Computer Table

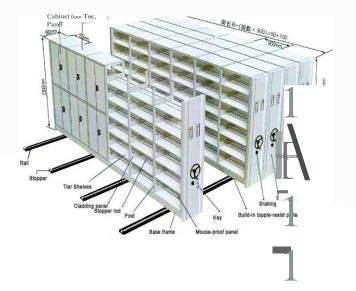




SS Computer Table

VIHANN Product Compactors





Vihann engaged in supplying and manufacturing of MS Pow der coated Compactors all over India. The use of optimum quality materials in manufacturing of Storage compactor, filling compactors, fire resistant Cabinets, and mobile storage compactors ensures countable features like high durability, tensile strength and resistivity to rust.

Available In both manual & mechanical system. Heavy duty grade **1** Iron casted wheels with antirust zinc/ nickle coating. Drive system designed for mechanical advantage to minimize " torque " required for movement. Our mechanical wheel type mobile storage unit is designed by using different gear to move the cabinet by gently turning the hand wheel. The design is to minimize power to move a huge object smoothly and quieter. Superior load bearing strength and User friendly PU steering wheel handle. Wide storage space Specially d e sig n e d track and wheel arrangement for smooth and easy operation.

Rubber beading can be provided to protect contents from dust and moisture at additional cost. Anti-ti Iting mechanism provided for safety on sing le faced mobile unit. Special Index pocket provided on each bay to know the contents of each rack Provision of manual locking of Individual units when in use, ensures safety. Centralized locking arrangement is provided on the last movable unit and gets lock when all the units are brough t together. Customized Solution



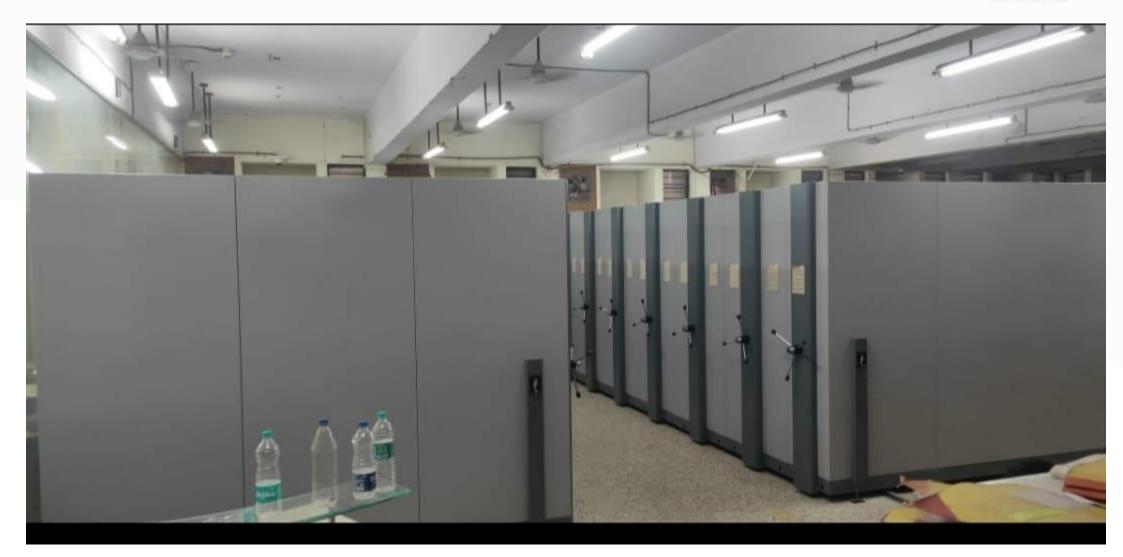




















VIHANN Product Racks





Vihann stainless racking is manufactured from grade 304 stainless steel 30x30mm box section, continuously seam welded to eliminate ledges that are typically found with standard modular shelving units. Standard shelves are slatted to allow for airflow to pass through and to minimize ledges for particulate settlement, but can also be provided solid or perforated.



- Grade 304 stainless steel 30mm box section
- Fully welded construction
- Available as mobile unit with swivel castors
- Available with solid or perforated stainless sheet shelves
- Available as 2, 3 and 5 shelf units
- Grade 304 stainless steel shelves
- Grade 304 stainless steel poles
- Adjustable levelling feet
- Configurable Shelf Heights
- 100kg Max loading per shelf
- Mobile version available
- Available with 4 or 6 legs
- Available as a trolley unit with handle





VIHANN Product Shelves





WALL MOUNTED SHELVES

A space effective storage solution when floor space is at a premium, available as a single shelf or two or three tier shelves. Grade 304 stainless, fully welded seams, upstand at rear of shelf

- Grade 304 stainless steel
- Fixing holes pre-drilled
- Available as perforated shelves
- Available in grade 316 stainless

w	D
400	300
600	300
900	300
1200	300
1500	300
1800	300
400	400
600	400
900	400
1200	400
1500	400
1800	400









SS Rack

VIHANN Product (Chairs and Stool)



Laboratory / Revolving Chair with Wheel

Vihann is the leading manufacturer, exporter and supplier of Fix Height Chair & Stools which is used in various industries like pharmaceutical, food & chemical industries. Standard chair available with Tilting back. It is generally used in packing area, production office, etc..

Material : Stainless Steel 304 quality(Matt/Mirror finish). Size : Standard Model available with 22" height, 26" height & also custom made















SS Chair

VIHANN Product (Cross Over Bench)





Crossover Benches manufactured from grade 304 Stainless Steel (also available in 316) with an electro-polished surface finished, continuously welded seams and non shedding adjustable levelling feet. Cross over benches create a physical barrier between the clean and dirty side of a changing area helping to facilitate good gowning practice whilst also providing useful storage space in often cramped spaces.

Stainless is a preferential material due to its clean ability, strength and durability properties, it is also a material that will not generate particulate and offers high levels of resistance to many acids and cleaning agents.





- Grade 304 stainless steel frame, legs & surface
- Fully welded seams
- Adjustable levelling feet
- Strengthening bar underframe for stability
- Avaliable with intergrated garment rail
- Also available in grade 316 stainless



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SS Cross Over Bench





SS Cross Over Bench





SS Cross Over Bench

VIHANN Product Trolley

Vihann manufactures stainless steel trolleys in various models. These have precise functionality and could easily withstand the effects of severe and unfavorable circumstances. These trolleys are extensively used in bio-pharmaceuticals, pharmaceuticals, hotels, canteens and laboratories. Vihann stainless steel trolleys are available in two variations, grade 304 & 316 stainless solid steel shelves or wired.







- Grade 304 Stainless Steel
- 360° Casters with brakes on two wheels
- Available with brakes on all casters
- Fully welded seams
- Max load per shelf- 50kg
- Also available in stainless steel wired
- Available in grade 316 stainless









SS 304 304 Sieve Trolley





SS Weight box Trolley





SS Used Linen Trolley

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SS Trolley





SS Mopping Trolley



SS Used Linen Trolley





SS Weight Box Trolley





SS Helmet Stand

VIHANN Product (Conveyor)





Conveyor Equipment and Systems:-

Conveyors are machines and equipment which carry ingredients, products, containers, packs or packaging components from one place to another.

Vihann Packing conveyor belt is having stainless steel Table Top with moving PVC coated canvas belt in the centre. Tabletop is fixed to the same structure made out of S. S. square pipe & supported on adjustable bolts. Tabletop is of 12 inches working space on both side of the conveyor belt for final visual inspection & packing into the box.
•Machine with S.S. Finish.
•Construction AISI S.S. 304 Quality
•Structure 1.25 S.S. Square Pipe.
•Three step Pulley System.
•0.75 HP, 3 Phase, 1440 RPM Motor With Gear Box
•Height adjustable 800 mm ± 50 mm.
•Your Order Should Be For Minimum 8' Length

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SS Conveyor



SS Conveyor

VIHANN Product (General Furniture)











SS Scoop Open Type & Close Type

Jug

Container





SS Bucket

Container



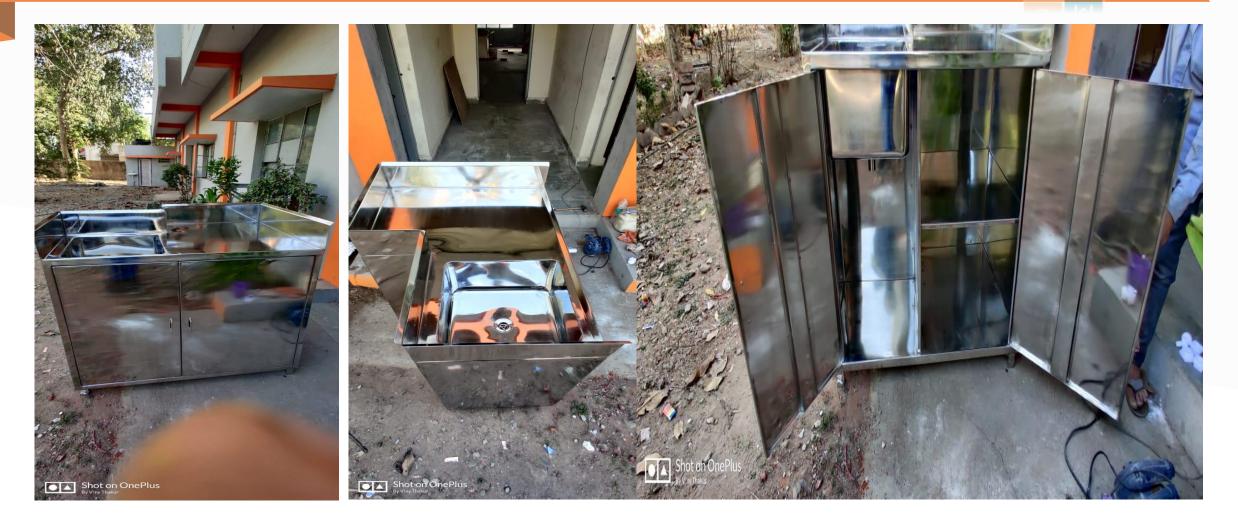




SS Pass Box

SS 304 Scoop Box

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SS 304 Sink Table with Storage Cabinet





SS 304 Ladder





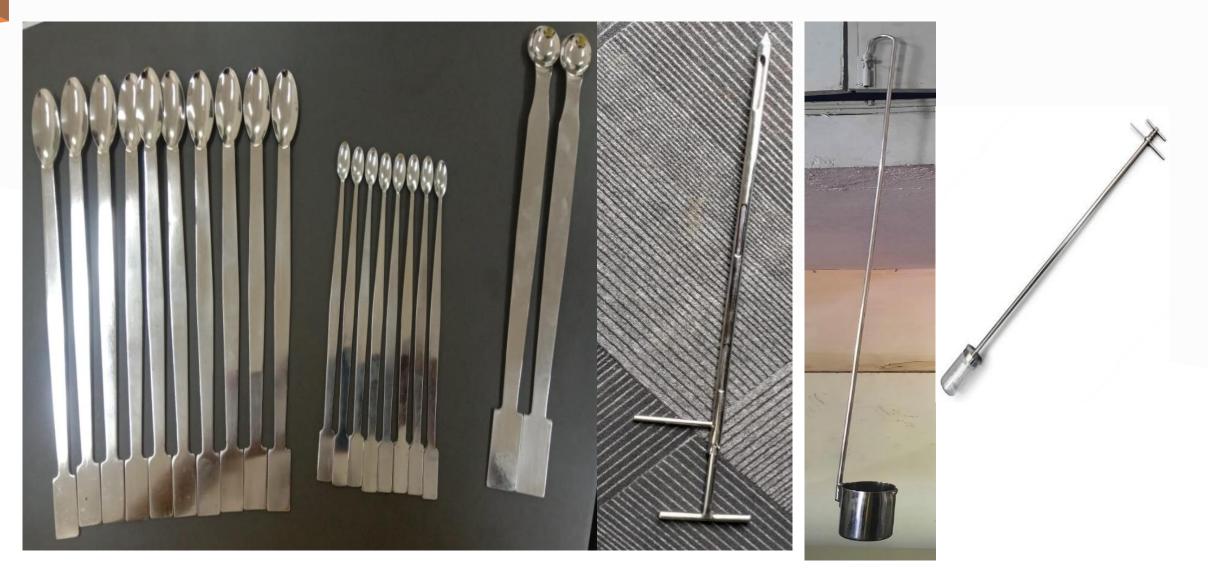
Soap Dispenser





SS IPA Bottle with Stand





Spatula

Powder Sampler





SS Stool Box





Dustbin









SS Tray

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BMR Stand, Petri Dish Stand & SOP Stand





SS Drain System

SS Dressing Drum /

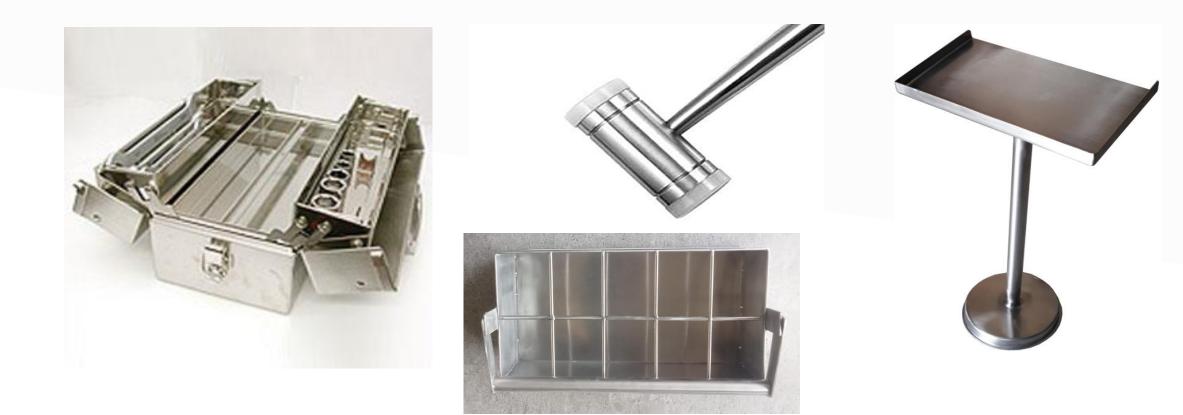




Manual tablet Counter

Stainless Steel Oil Can





Cleanroom Tool box

SS Nylon Hammer/ SS Bottle Stand Petri dish stand







Commercial Gas Range

SS Commercial Kitchen











Vibro Sifter



MULTI MILL

PRESSURE VESSEL

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VIHANN Product (Reverse Laminar Air Flow)



Reverse Laminar Airflow:-

A major application in sampling and dispensing. Majorly used for mixed airflow stream to control the hazardous emission of dust powder during dispensing or sampling process.

Dust air particles are being filtered and clean air stream is provided in the zone of exposed product and the operator breathing zone. The RLAF is designed to provide Class 100 working environment at rest with built in scavenging system to ensure product, operator as well as surrounding environment protection.



SS 304 Dispensing Booth

VIHANN Product (Reverse Laminar Air Flow)

Description-REVERSE LAMINAR AIR FLOW (RL	AF)
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Supply Filter	Imported Minipleat HEPA filter with hot melt technology ,which conforms to EU-14 Grade at supply position with an efficiency rating better than 99.999% for0.3 micron.
Exhaust HEPA filter	Imported Minipleat HEPA filter with hot melt technology ,which conforms to EU-14 Grade at exhaust position with an efficiency rating better than 99.999% for 0.3micron.
Intermediate Filter	Intermediate filter are made from Non- Woven Synthetic with HOPE mesh; conforms to EU 7 Grade, with an ,efficiency rating better than 95% down to 3 micron.
Pre- filter	Pre- filter are made from Non- Woven Synthetic with HOPEmesh; conforms to EU 4 Grade, with an efficiency rating bette rthan 90% down to 10 micron.
Motor blower assembly	Motor blower designed of statically and dynamically balanced for supply of sufficient capacity and static pressure to take care of air flow requirement for entire life of HEPA.
Differential pressure gauge	Dwyer Make Magnehelic Gauge (0- 25mm: 2 Nos.) to monitor pressure drop across HEPA & Intermediate filter and (0- 10mm 1 No.) across pre-filter.
Lighting	Fluorescent Light (250 Lux) at work surface
ON/OFFS witches	SS ON/OFF Switches for motor & lights
Switch socket'	6/15 amp single- phase switch socket use for external equipment
Control Panel	Electrical control panel mounted on the side panel of the unit.
DOP Port	DOP test port at upstream of HEPA filter integrity test. (With PAO Solution)
Side Panel	SS 304 Double walled side panels.
Electrical supply	230V AC 3-Ø 50 HZ / 415V AC 3- Ø 50 HZ
Noise Level	Less than 67 dB on Scale 'A' when Ambient is not greater than 55 dB on Scale 'A'
Vibration Level	Minimum

Optional Accessories

Anti- static PVC strip over lapping curtains
 Audio visual alarm indicating condition of HEPA filters
 Clean down timer with operation hold Indicator
 VFD based control systems
 Photohelic guage /Digital pressure gauge to monitor of pressure drop across filter.
 Sodium Vapor lamps
 Flame proof fitting

VIHANN Product (Static Pass-Box)





Static Pass-Box:-

Used in Pharmaceuticals to transfer Material and helps to maintain class between to area. It is a between to different area.

The pass box hinders the flow of air from one area to another during the transfer of material. Static pass box comprises of simple boxes mounted between two areas. It is also known as passive pass box and prevents the entrance of contaminants in the sterile area.

Easy Cleaning
Easy Integration
Advanced air tightness
Interlocking
Sturdy Built
UV light



VIHANN Product (Static Pass-Box)



STATIC PASS BOX

Our Static pass Box is suitable to avoid cross contamination between different classified are as & to maintain integrity of products & process while transferring material. Static pass box esare used to transfer material without much personal movement between different classified areas and avoiding particulate contaminations.

Static Pass Box





		Description - Static Pass Box
l	Door	SS 304 double walled door construction with flush glass view panels with SS handles and SS hinges.
	Interlocking	Electro-Magnetic Interlocking type door arrangement to ensure that only one side door can be opened at any given, time.
	Door Indications	Indicators one either side for door open condition.
	Door Release	Door Release Switch one either side.
	SS Coving	Internal covings for easy cleaningoving

OptionalAccessories

U.V. Light with Hour Meter used for bacteria/viruskilling & interlocking arrangement to put off UV Light if either side door opens.
Support Stand for mounting of passbox
Flange for sealing the gap between the passbox and the clean room wall
Electro-Magnetic/Mechanical Interlocking
Floor mounted construction with three side wall structure & Door Drop Seal
Provision for ventilation with perforated grills
Flame Proof Fitting



L Type Pass Box

Documentation

All necessary documents will be provided as per the latest prevailing standards.

VIHANN Product (Dynamic Pass-Box)





SS 304 2 Way Dynamic Pass Box

Dynamic Pass Box

Our World class range of Dynamic pass boxes are designed in conformation to the international standard sand are used for transferring the material through controlled environment to different classified area to avoid cross contamination & maintain integrity of product & process.



Dynamic Pass-Box:-

Pass box is essential for the swift transfer of goods and to minimise the movement of personnel and unnecessary human traffic in and out from cleanroom. It is installed at the entrance to cleanroom in order to minimize the amount of particulate contamination entering the cleanroom.

Tempered glass doors provide a clear view of the internal chamber.

The main body of the pass box is constructed of pharmaceutical-grade stainless steel.

Pass box hardware has been custom designed for reliable service, featuring large, durable hinges, and ergonomic handles. Single-handed operation Variety of accessories and dimensions

VIHANN Product (Dynamic Pass-Box)



Description- Dynamic Pass Box

HEPA Filter	Imported Minipleat HEPA filter with hot melt technology ,which conforms to EU-14 Grade at supply position with an efficiency rating better than 99.999% for 0.3 micron
Pre- filter	Pre-filters are made from Non- woven synthetic with HDPE mesh; conforms to EU-06 Grade, with an efficiency rating better than 95% down to 5 micron
Motor blower assembly	Motor blower designed of statically"and dynamically balanced for supply of sufficient capacity and static pressure to take care of air flow requirement for entire life of HEPA.
Pressure Gauge	Dwyer Make Magnehelic Gauge (0- 25mm: 1Nos.) to monitor pressure drop across HEPA.
Door	SS 304 double walled door construction with flush glass view panels with SS handles and SS hinges.
Interlocking	Electro- Magnetic Inter locking type door arrangement to ensure that only one side doorcan be opened at an given time.
Door Indication	Indicators on either side for door open condition.
Door release	Door Release Switch one either side
SS Coving	Internal covings for easy cleaning
ON/OFF Switches	SS ON / OFF Switches for motor & lights
Switch socket	6/15 Amp single-phase switch socket use for external equipment
DOP Port	DOP test port at upstream of HEPA filter integrity test. (With PAO Solution)
Vibration Level	Minimum
Electrical Supply	230V AC 1-Ø 50 HZ/415V AC 3-Ø 50 HZ
Noise Level	Less than 67 dB on scale 'A' when ambient is greater than 55 dB on scale 'A'

VIHANN Product (Horizontal Laminar Air Flow)

Horizontal Laminar Air Flow Workstation is designed specifically for highest product protection by providing ISO class 5 particle free work area for handling critical process. The main HEPA Filter is situated immediately behind the working area, clean air is then blown across the work surface towards the operator. The work area is continuously supplied with positive pressure HEPA fitered horizontal air flow. It prevents contamination from operator and environment to work area. The laminarity of the flow prevents cross contamination between the items handled in the working space.



Descripti	on-HORIZONTAL LAMINAR AIR FLOW WORKSTATION	
HEPA Filter	Imported Minipleat HEPA filter with hot melt technology, which conforms to EU- 14 Grade at supply position with an efficiency rating better than 99.999% for 0.3 micron	
Pre- filter	Pre- filters are made from Non-woven synthetic with HDPE mesh; conforms to EU-06 Grade, with an efficiency rating better than 95% down to 5 micron	
Motor blower assembly	Motor blower designed of statically "and dynamically balanced for supply of sufficient capacity and static pressure to take care of air flow requirement for entire life of HEPA	
Pressure Gauge	Dwyer Make Magnehelic Gauge (0- 25mm: 1 Nos.)to monitor pressure drop across HEPA.	
Lighting	Fluorescent Light with milky white diffuser (250 Lux)at work surface	
ON/OFF Switches	SS ON/OFF Switches for motor & lights	
Switch socket	6/15 Amp single- phase switch socket use for external equipment	
Work Table	SS work table with due reinforcement	
Side Panel	Glass side panel screens for maximum visibility	
DOP Port	DOP test port at up stream of HEPA filter integrity test.(With PAO Solution)	
Electrical Supply	230V AC 1-Ø 50 HZ/415V AC 3-Ø 50 HZ	
Noise Level	Less than 67 dB on Scale 'A' when Ambient is not greater than 55 dB on Scale 'A'	
Vibration Level	Minimum	
Optional Accessories		

 U.V. Light with hour meter SS 304 Cock for Gas and Air-Audio visual alarm indicating condition of HEPA filters · Clean down timer with operation hold indicator • VFD based control systems • Photohelic guage. Sodium vapor lamps+Flame proof fitting

VIHANN Product (Vertical Laminar Air Flow))

Vertical Laminar Air Flow cabinets are designed for creation of a bacterial dust free air space. The work area is continuously supplied with positive pressure Hepa filtered vertical air flow & prevents contamination from operator and environment to work area. Air flow cabinets are used for work with low risk substances & material.

Description-VERTICALLAMINARAIRFLOW(VLAF)

Supply Filter	Imported Minipleat HEPA filter with hot melt technology ,which conforms to EU-14 Grade at supply position with an efficiency rating better than 99.999% for 0.3 micron
Pre- filter	Pre- filters are made from Non- woven synthetic with HDPE mesh; conforms to EU-06 Grade, with an efficiency rating better than 95% down to 5 micron
Motor blower assembly	Motor blower designed of statically "and dynamically balanced for supply of sufficient capacity and static pressure to take care of air flow requirement for entire life of HEPA.
Pressure Gauge	Dwyer Make Magnehelic Gauge (0-25 mm: 1 Nos.) to monitor pressure drop across HEPA.
Lighting	Fluore scent Light(250 Lux) at work surface
ON/OFF Switches	SS ON/OFF Switches for motor & lights
Switch socket	6/15 Amp single- phase switch socket use for external equipment
Control Panel	Electrical Control Panel mounted in unit
Work table	SS work table with due reinforcement
DOP Port	DOP test port at up stream of HEPA filter integrity test. (With PAO Solution)
Side Panel	Glass side panel screens for maximum visibility
Electrical Supply	230V AC 1- Ø 50 HZ/415V AC 3- Ø 50 HZ
Noise Level	Less than 67 dB on Scale 'A' when Ambient is not greater than 55 dB on Scale 'A'
Vibration Level	Minimum
Air Flow	Vertical

Optional Accessories

 Anti- Static PVC strip Curtains
 Suspension rod option available in MS and SS
 U.V. Light with hour meter
 SS 304. Cock for Gas and Air
 Foldable polycarbonate front hinged door
 Audio Visual alarm indicating condition of HEPA filters
 Clean down timer with operation hold Indicator
 VFD based control systems
 Photohelic guage / Digital pressure gauge to monitor of pressure drop across filter.
 Sodium vapor lamp
 Flame proof fitting

VIHANN – A COMPLETE CLEAM ROOM SOLUTION



We know the world is full of choices "Thank You For Being our Strength"



"WE CARRY CLIENT TRUST IN OUR QUALITY"

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